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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/743,559	12/22/2003	Donald John Duffek	066042-9336-03	066042-9336-03 5066	
23409	7590 06/14/2005		EXAM	EXAMINER	
MICHAEL BEST & FRIEDRICH, LLP 100 E WISCONSIN AVENUE			FRIEDHOFER	FRIEDHOFER, MICHAEL A	
MILWAUKEE, WI 53202			ART UNIT	PAPER NUMBER	
	•		2832		
			DATE MAILED: 06/14/200	DATE MAILED: 06/14/2005	

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)				
Office Action Summary	10/743,559	DUFFEK ET AL.	&m)			
Office Action Summary	Examiner	Art Unit				
	Michael A. Friedhofer	2832				
The MAILING DATE of this communication ap Period for Reply	opears on the cover sheet with the c	orrespondence addi	ress			
A SHORTENED STATUTORY PERIOD FOR REPI THE MAILING DATE OF THIS COMMUNICATION - Extensions of time may be available under the provisions of 37 CFR 1. after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a report of the period for reply is specified above, the maximum statutory period for reply within the set or extended period for reply will, by statutionary reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	136(a). In no event, however, may a reply be tin ply within the statutory minimum of thirty (30) day d will apply and will expire SIX (6) MONTHS from te, cause the application to become ABANDONE	nely filed rs will be considered timely. I the mailing date of this come (D) (35 U.S.C. § 133).	nmunication.			
Status						
1) Responsive to communication(s) filed on						
	is action is non-final.					
3) Since this application is in condition for allows closed in accordance with the practice under	,		merits is			
Disposition of Claims						
4) ⊠ Claim(s) 1-45 is/are pending in the application 4a) Of the above claim(s) is/are withdra 5) ⊠ Claim(s) 45 is/are allowed. 6) ⊠ Claim(s) 1-44 is/are rejected. 7) □ Claim(s) is/are objected to. 8) □ Claim(s) are subject to restriction and/	awn from consideration.					
Application Papers						
9) The specification is objected to by the Examin	ier.					
10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner.						
Applicant may not request that any objection to the	e drawing(s) be held in abeyance. See	e 37 CFR 1.85(a).				
Replacement drawing sheet(s) including the correct 11) The oath or declaration is objected to by the E	•	•	, ,			
Priority under 35 U.S.C. § 119						
12) Acknowledgment is made of a claim for foreig a) All b) Some * c) None of: 1. Certified copies of the priority document 2. Certified copies of the priority document 3. Copies of the certified copies of the priority application from the International Bureat * See the attached detailed Office action for a list	nts have been received. nts have been received in Applicationity documents have been received au (PCT Rule 17.2(a)).	ion No ed in this National S	tage			
Attachment(s) ,						
1) X Notice of References Cited (PTO-892)	4) Interview Summary					
2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08 Paper No(s)/Mail Date 061+005. 21- □ ♥	Paper No(s)/Mail Di 5) Notice of Informal F 6) Other:		152)			
S Patent and Trademad Office						

DETAILED ACTION

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- 2. Claims 1, 2, 3, 7, 8, 10-12, 14-16, 20, 21, 23, 24, and 26 are rejected under 35 U.S.C. 102(b) as being anticipated by Clapp.

Clapp discloses in figures 1-6 a trigger assembly including a housing 2 having a first surface and a second surface adjacent the first surface, the first surface at least partially defining an opening and the second surface at least partially defining a path 19; and a trigger movably supported by the housing and at least partially engaging the path when moving with respect to the housing. The trigger includes a support portion 15 at least partially extending through the opening into the housing and having a first width; and a contact portion connected to the support portion and disposed outside the housing. The contact portion has a second width greater than the first width. The opening width for the bore 19 has an opening width. The second width is greater than the opening width. The contact portion has a length, where the second width is substantially constant along the length. The operator's finger contacts the contact portion and extends in the substantially same direction as the second width. The contact portion includes a convex curved surface opposite the support portion and curved along

the second width as seen in figure 3. The trigger is movable between a rest position and a depressed position while being biased toward the rest position. The path includes a second opening at the opposite end of the bore through which the trigger at least partially extends.

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3. Claims 1-7, 10, 11, 14-20, and 23-25 are rejected under 35 U.S.C. 102(b) as being anticipated by Weber et al.

Weber et al discloses in figures 1-4 a trigger assembly including a housing 14 having a first surface and a second surface adjacent the first surface, the first surface at least partially defining an opening and the second surface at least partially defining a path; and a trigger 15 movably supported by the housing and at least partially engaging the path when moving with respect to the housing. The trigger includes a support portion 19,17,23 and a contact portion 16 connected to the support portion and disposed outside the housing. The contact portion has a second width greater than the first width. The width of the contact portion is constant along its entire length. The trigger is pivotally supported by the housing. The trigger pivots about a pivot axis, which is substantially parallel to the second width and extends through the housing. The operator's finger contact the contact portion and extends in the substantially same direction as the second width. The trigger is movable between a rest position and a depressed position. The trigger is biased toward the rest position.

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4. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

5. Claims 28, 33-36, and 41-44 are rejected under 35 U.S.C. 102(e) as being anticipated by Covell et al.

Covell et al discloses in figures 1-9 a trigger assembly including a housing having first and second surfaces adjacent one another, the first surface at least partially defining an opening and the second surface at least partially defining a path; and a trigger 14 movably supported by the housing and at least partially engaging the path when moving with respect to the housing. A space is defined between the trigger and the portion of the housing surrounding the opening. The contact portion 18 of the trigger includes an upper protrusion projecting outwardly from the contact portion into the space between the trigger and the housing. The trigger is pivotally supported by the housing. The trigger is movable between rest and depressed positions while being biased toward the rest position. The path on the housing includes a second opening such that the trigger at least partially extends through the second opening and recess is formed in the path along which the protrusion moves.

Claim Rejections - 35 USC § 103

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6. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

- (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 7. Claims 9, 13, 22, and 27, 28, 33-36, and 41-44 are rejected under 35 U.S.C. 103(a) as being unpatentable over Covell et al in view of Clapp.

Covell et al discloses in figures 1-9 a trigger assembly including a housing having first and second surfaces adjacent one another, the first surface at least partially defining an opening and the second surface at least partially defining a path; and a trigger 14 movably supported by the housing and at least partially engaging the path when moving with respect to the housing. A space is defined between the trigger and the portion of the housing surrounding the opening. The contact portion 18 of the trigger includes an upper protrusion projecting outwardly from the contact portion into the space between the trigger and the housing. The trigger is pivotally supported by the housing. The trigger is movable between rest and depressed positions while being biased toward the rest position. The path on the housing includes a second opening such that the trigger at least partially extends through the second opening and recess is formed in the path along which the protrusion moves.

Covell et al does not disclose the contact portion 18 having a greater width than that of both the support portion and the opening in the housing.

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Clapp discloses in figures 1-6 a trigger assembly including a housing 2 having a first surface and a second surface adjacent the first surface, the first surface at least partially defining an opening and the second surface at least partially defining a path 19; and a trigger movably supported by the housing and at least partially engaging the path when moving with respect to the housing. The trigger includes a support portion 15 at least partially extending through the opening into the housing and having a first width; and a contact portion connected to the support portion and disposed outside the housing. The contact portion has a second width greater than the first width. The opening width for the bore 19 has an opening width. The second width is greater than the opening width. The contact portion has a length, where the second width is substantially constant along the length. The operator's finger contacts the contact portion and extends in the substantially same direction as the second width. The contact portion includes a convex curved surface opposite the support portion and curved along the second width as seen in figure 3. The trigger is movable between a rest position and a depressed position while being biased toward the rest position. The path includes a second opening at the opposite end of the bore through which the trigger at least partially extends.

It would have obvious to one of ordinary skill in the art to apply the teachings of Clapp to Covell et al to form the contact portion having a width greater than both the support portion and the opening in the housing because this is for the purpose of providing a more ergonomic contact portion making operation of the

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tool easier for the operator's finger while the size aids in keeping dust and moisture out of the switch mechanism since most tools are utilized in those types of conditions or create similar environments.

Allowable Subject Matter

- 8. Claim 45 is allowed.
- 9. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Peot and Broghammer et al teach various trigger switch actuator structures.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Michael A. Friedhofer whose telephone number is 571-272-1992. The examiner can normally be reached on Mon-Fri 6:00 - 2:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Elvin Enad can be reached on 571-272-1990. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Michael A. Friedhofer

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Primary Examiner Art Unit 2832 Page 8

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